

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Docket Number (Optional)

42616-0600

Application Number

10/618,549

Applicant(s)

B. Levi et al.

Filing Date

July 11, 2003

Group Art Unit

2862

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TMR		2001/0045128	11/29/2001	McCall et al.			
TMR		2002/0040601	04/11/2002	Fyfe et al.			
TMR		2002/0091482	07/11/2002	Eakle, Jr. et al.			
TMR		2002/0111717	08/15/2002	Scherzinger et al.			
TMR		2002/0128775	09/15/2002	Brodie et al.			
TMR		2002/0143491	10/03/2002	Scherzinger			
TMR		2003/0018430	01/23/2003	Ladetto et al.			
TMR		2,091,964	09/07/1937	L.F. Carter			
TMR		3,583,074	06/08/1971	D.H. Baker et al.			
TMR		4,031,630	06/28/1977	Fowler			
TMR		4,143,467	03/13/1979	Ersparner et al.			

FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

TMR		LADETTO, Quentin, et al., "Combining Gyroscopes, Magnetic Compass and GPS for Pedestrian Navigation", date unknown, Geodetic Engineering Laboratory, Institute of Geomatics, Swiss Institute of Technology, 8 pg. [No Date]
TMR		LADETTO, Quentin, "On Foot Navigation: Continuous Step Calibrations Using Both Complementary Recursive Prediction and Adaptive Kalman Filtering", date unknown, Geodetic Laboratory, Institute of Geomatics, Swiss Federal Institute of Technology, 6 pg. [No Date]

EXAMINER

DATE CONSIDERED

7/19/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-AB20

(taken from PTO-1440)

PG04REV04

Patent and Trademark Office * U.S. DEPARTMENT OF COMMERCE

COPY 4

OF 6

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Docket Number (Optional)
42616-0600

Application Number
10/618,549

Applicant(s)

R. Levi et al.

Filing Date

July 11, 2003

Group Art Unit

2862
U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TMR		4,347,730	09/07/1982	Fisher et al.			
TMR		4,611,293	09/09/1986	Hatch et al.			
TMR		4,622,646	11/11/1986	Waller et al.			
TMR		4,656,750	04/14/1987	Pitt et al.			
TMR		4,809,007	02/28/1989	Hassenplug			
TMR		4,851,775	07/25/1989	Kim et al.			
TMR		4,887,081	12/12/1989	Iihoshi et al.			
TMR		4,991,126	02/05/1991	Relter			
TMR		5,067,083	11/19/1991	Nakayama et al.			
TMR		5,115,238	05/19/1992	Shimizu et al.			
TMR		5,122,960	06/16/1992	Ooka			

FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

TMR	GABAGLIO, Vincent et al., "Real-Time Calibration of Length of Steps with GPS and Accelerometers", Swiss Federal Institute of Technology, Geodetic Engineering Laboratory, 6 pg. [No Date]
TMR	LADETTO, Quentin et al., "Digital Magnetic Compass and Gyroscope Integration for Pedestrian Navigation", Faculte ENAC, Institut du Developpement Territorial, Geodetic Laboratory, 10 pg. [No Date]

EXAMINER

Thurke

DATE CONSIDERED

7/19/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-A820

P04A/REV04

Patent and Trademark Office • U.S. DEPARTMENT OF COMMERCE

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Docket Number (Optional)

42616-0600

Application Number

10/618,549

Applicant(s)

R. LEVI et al.

Filing Date

July 11, 2003

Group Art Unit

2862

U.S. PATENT DOCUMENTS

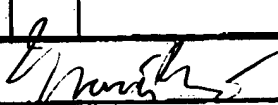
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILED DATE IF APPROPRIATE
TAR		5,235,514	08/14/1993	Matsuzaki			
TNR		5,239,264	08/24/1993	Hawks			
TNR		5,287,295	02/15/1994	Ives et al.			
TNR		5,287,297	02/15/1994	Ihara et al.			
TNR		5,287,628	02/22/1994	Yamaguchi et al.			
TNR		5,297,050	03/22/1994	Ichimura et al.			
TNR		5,319,561	06/07/1994	Matsuzaki			
TNR		5,327,348	07/05/1994	Kato			
TNR		5,331,563	07/19/1994	Masumoto et al.			
TNR		5,404,307	04/04/1995	Odagawa			
TNR		5,424,953	06/13/1995	Masumoto et al.			

FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translations	
						YES	NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

EXAMINER



DATE CONSIDERED

7/19/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-A820

(also form PTO-1449)

POSAREV04

Patent and Trademark Office • U.S. DEPARTMENT OF COMMERCE

SHEET 3

OF 6

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Docket Number (Optional)

42616-0600

Application Number

10/618,549

Applicant(s)

R. Levi et al.

Filing Date

July 11, 2003

Group Art Unit

2862

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILED DATE IF APPROPRIATE
TMR		5,428,902	07/04/1995	Cheah			
TMR		5,488,788	02/06/1996	Durbin			
TMR		5,583,776	12/10/1996	Levi et al.			
TMR		5,935,191	08/10/1999	Sakanashi et al.			
TMR		5,956,660	11/21/1999	Neumann			
TMR		5,986,583	11/16/1999	Nakano et al.			
TMR		6,018,705	01/25/2000	Gaudet et al.			
TMR		6,032,099	02/29/2000	Fernandez			
TMR		6,052,654	04/18/2000	Gaudet et al.			
TMR		6,067,046	05/23/2000	Nichols			
TMR		6,081,230	06/27/2000	Hoshino et al.			

FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

EXAMINER



DATE CONSIDERED

7/19/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)

Docket Number (Optional)

42616-0600

Application Number

10/618,549

Applicant(s)

R. Levi et al.

Filing Date

July 11, 2003

Group Art Unit

2862

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TML		6,122,960	09/26/2000	Hutchings et al.			
TAR		6,132,391	10/17/2000	Onari et al.			
TNR		6,145,389	11/14/2000	Ebeling et al.			
TMR		6,175,608	01/16/2001	Pyles et al.			
TNR		6,204,807	03/20/2001	Odagiri et al.			
TNR		6,243,660	06/05/2001	Hsu et al.			
TNR		6,282,496	08/28/2001	Chowdhary			
TNR		6,298,314	10/02/2001	Blackadar et al.			
TNR		6,301,964	10/16/2001	Fyfe et al.			
TNR		6,305,221	10/23/2001	Hutchings			
TNR		6,366,855	04/02/2002	Reilly et al.			

FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Tradition	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

T. M. R.

DATE CONSIDERED

7/14/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-A820

(also known as PTO-1449)

POB/REV04

Patent and Trademark Office * U.S. DEPARTMENT OF COMMERCE

SHEET 5

OF 8

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Docket Number (Optional)

42616-0

Application Number

10/618,549

Applicant(s)

R. Levi et al.

Filing Date

July 11, 2003

Group Art Unit

2862

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TMR		6,408,251	06/18/2002	Azuma			
TMR		6,415,223	07/02/2002	Lin et al.			
TMR		6,513,381	02/04/2003	Fyfe et al.			
TMR		6,522,266	02/18/2003	Soehren et al.			
TMR		6,546,336	04/08/2003	Matsuoka et al.			
TMR		2003/0018430	01/23/2003	Ladetto et al.			
TMR		2002/0089425	07/11/2002	Kubo et al.			

FOREIGN PATENT DOCUMENTS

REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

EXAMINER

DATE CONSIDERED

7/14/4

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

 Form PTO-A820
 (also form PTO-1448)

POBA/REV04

Patent and Trademark Office * U.S. DEPARTMENT OF COMMERCE

SHEET 6 OF 6